

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) Process for the production of a panel with a protected acoustic damping layer, comprising at least ~~a porous core (11) covered, on the one hand, with a porous acoustic damping layer (10) and, on the other side, with a total acoustic reflector (12),~~ in which at least said porous layer ~~[[ (10) ]]~~ is emplaced by striping or draping, said porous layer ~~[[ (10) ]]~~ being constituted of parallel strips,

*by 4* ~~characterized in that the~~ wherein edges ~~[[ (15) ]]~~ of the parallel strips ~~[[ (13) ]]~~ of the porous layer ~~[[ (10) ]]~~ are disposed facing a strip ~~[[ (16, 17) ]]~~ laid down by striping or draping and containing a thermoplastic, thermohardening or thermofusible material ~~adapted, by later heating and being heated in a later step,~~ to ensure the securement of the edges of said parallel strips ~~[[ (13) ]]~~ with ~~[[ the ]]~~ an adjacent strip ~~[[ (16, 18) ]]~~ containing a thermoplastic, thermohardening or thermofusible material.

2. (currently amended) Process according to claim 1, ~~more particularly adapted~~ for the production of a single piece panel, without a joint, of generally annular shape, ~~characterized~~

~~in that~~ wherein said porous layer [(10)] and said strip [(16, 18)] containing a thermoplastic, thermosetting or thermofusible material, are striped or draped on a mold having the shape of the panel to be obtained, [[the]] and further comprising a porous structure-(10) core and [[the]] a total reflector [(12)] being then emplaced also by striping or draping.

b4  
3. (currently amended) Process according to claim 1, ~~characterized in that~~ wherein said strip containing a thermoplastic, thermosetting or thermofusible material is constituted by filaments ~~(16, 16', 16'')~~ pre-impregnated with a thermosetting or thermoplastic resin, said strip ~~constituting~~ containing a thermoplastic, thermosetting or thermofusible material constituting a structural layer associated with the porous acoustic layer [(10)].

4. (currently amended) Process according to claim 3, ~~characterized in that~~ wherein the parallel strips [(13)] of [[the]] said porous layer [(10)] are deposited in a non-touching manner and [[the]] said filaments ~~(16, 16', 16'')~~ are deposited covering [[the]] intervals between said parallel strips [(13)].

5. (currently amended) Process according to claim 3, ~~characterized in that~~ wherein said filaments  $[(16)]$  are striped on ~~[[the]]~~ said porous layer  $[(10)]$ , so as to be sandwiched between ~~this latter and the~~ said porous layer and a porous core  $[(11)]$  which is subsequently deposited ~~particularly~~ by striping a honeycomb structure in the form of a strip.

B4 6. (currently amended) Process according to claim 5, ~~characterized in that the~~ wherein windings of the filaments  $[(16)]$  are separated from each other and only facing and overlapping ~~[[the]]~~ intervals  $[(14)]$  between the parallel strips  $[(13)]$  of the porous layer  $[(10)]$ .

7. (currently amended) Process according to claim 3, ~~characterized in that~~ wherein said filaments ~~(16, 16', 16'')~~ are first striped emplaced by striping on the mold ~~so as to be~~ and are located at least facing and overlapping intervals  $[(14)]$  between the parallel strips  $[(13)]$  of the porous layer  $[(10)]$  which ~~[[is]]~~ are subsequently ~~striped~~ emplaced by striping.

8. (currently amended) Process according to claim 3, ~~characterized in that~~ wherein said filaments  $[(16)]$  are disposed on opposite sides of the porous layer  $[(10)]$  so as to

~~cover~~ at least ~~[[the]]~~ cover intervals ~~[[ (14) ]]~~ between the parallel strips ~~[[ (13) ]]~~ of said porous layer.

9. (currently amended) Process according to claim 3, ~~characterized in that~~ wherein ~~[[the]]~~ filaments ~~(16, 16', 16'')~~ are in the form of an assembly of square, round or rectangular cross-section comprised of filaments, strips of filaments, meshes, strands or braids of filaments~~[[,]] particularly of carbon, of glass or of "Kevlar".~~

10. (currently amended) Process according to claim 1, ~~characterized in that~~ wherein said strip containing a thermoplastic, thermosetting or thermofusible material is a strip of perforated ~~[[metal]]~~ sheet ~~[[ (18) ]]~~.

11. (currently amended) Process according to claim 10, ~~characterized in that the~~ wherein said perforated ~~[[metal]]~~ sheet ~~[[ (18) ]]~~ is selected from the group comprising metallic sheets and sheets of composite material constituted of a cloth of fibers pre-impregnated with a thermosetting or thermoplastic resin.

12. (currently amended) Process according to claim 11, ~~characterized in that the~~ said perforated ~~[[metal]]~~ sheet ~~[[ (18) ]]~~ is coated with a thermofusible glue.

13. (currently amended) Process according to claim 11, ~~characterized in that~~ wherein the strips of said perforated ~~[[metal]]~~ sheet ~~[[18]]~~ have a width equal to or less than ~~that~~ of the parallel strips ~~[[13]]~~ of the porous layer ~~[[10]]~~ and are disposed first on the mold with an interval ~~[[19]]~~ between two successive strips, then the porous layer ~~[[10]]~~ is deposited in parallel strips ~~[[13]]~~ disposed facing said intervals ~~[[19]]~~ between strips of said perforated ~~[[metal]]~~ sheet ~~[[18]]~~.

14. (currently amended) Process according to claim 11, ~~characterized in that~~ wherein the strips of perforated ~~[[metal]]~~ sheet ~~[[18]]~~ have a width substantially greater than that of the parallel strips ~~[[13]]~~ of the porous layer ~~[[10]]~~ and are first deposited on the mold with a slight partial overlap between strips, then the porous layer ~~[[10]]~~ is deposited so as particularly to align each ~~[[porous]]~~ parallel strip ~~[[13]]~~ with a sheet ~~[[metal]]~~ strip ~~[[18]]~~, the windings of ~~[[the]]~~ said porous layer ~~[[10]]~~ not touching each other.

15. (currently amended) Process according to claim 11, ~~characterized in that~~ wherein the strips of said perforated ~~[[metal]]~~ sheet ~~[[18]]~~ have a width less than that of the

parallel strips  $[(13)]$  of the porous layer  $[(10)]$  which is first deposited on the mold, such that the windings overlap slightly, then the strips of  $[\text{metal}]$  said perforated sheet  $[(18)]$  are placed facing or not the regions of overlap of the parallel strips  $[(13)]$  of the porous layer  $[(10)]$ ,  $[\text{these}]$  said parallel strips  $[(13)]$  not touching each other.

16. (currently amended) Process according to claim 1, ~~characterized in that~~ wherein said strip containing a thermoplastic, thermosetting or thermofusible material is constituted by the porous layer  $[(10)]$  itself which is formed of a cloth  $[(13')]$  of filaments pre-impregnated with a thermosetting or thermoplastic resin, said cloth  $[(13')]$  being deposited so as to form strips or windings with a slight mutual overlap.

17. (currently amended) Process according to claim 1, ~~characterized in that~~ wherein there is striped or draped on a mold  $[\text{the}]$  a total reflector  $[(12)]$ , then  $[\text{the}]$  a porous core ~~with a porous structure (11)~~, then, after baking in an autoclave and withdrawal from the mold,  $[\text{the}]$  said porous core ~~with a porous structure (11)~~ is striped or draped with the porous layer  $[(10)]$  and with filaments ~~(16, 16', 16'')~~ pre-impregnated with a thermosetting or thermoplastic resin constituting said

strip adapted to ensure the securement of the edges of the parallel strips of the porous layer [(10)].

18. (currently amended) Process according to claim 3, ~~characterized in that~~ wherein, to increase the structural strength of the panel, there is deposited, by striping or winding, supplemental filaments ~~(16, 16', 16'')~~ forming an angle greater than zero with ~~the other~~ said filaments ~~(16, 16', 16'')~~ and disposed on opposite sides or on either side of the porous layer [(10)].

19. (previously presented) Acoustic damping panel obtained according to the process according to claim 1.

20. (new) A process for the production of a panel with a protected acoustic damping layer comprising a porous core covered on a first side with a porous acoustic damping layer and on a second side with an acoustic reflector, comprising the steps of:

emplacing a plurality of first strips parallel to each other so that an edge of one of said plural first strips is adjacent an edge of another one of said plural first strips so that said plural first strips form said porous damping layer;

emplacing a plurality of second strips facing and parallel to said plural first strips so that one of said plural

second strips overlaps an adjacent two of said plural first strips  
and covers respective edges of said adjacent two of said plural  
first strips;

64 heating said plural second strips to secure said plural  
second strips to said plural first strips;

placing said porous core over said plural first and  
second strips; and

placing said acoustic reflector over said porous core.

---